

**20X SSC****9762, 9764, 9763,
9765, 9770**

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Catalog #: 9762 - 2 pack
9764 - 10 pack
9763 - 1 L
9765 - 4 x 1 L
9770 - 500 ml

Appearance: 9762, 9764 - White powder
9763, 9765, 9770 - Clear Liquid

Molecular Weight: Sodium Chloride component - 58.44
Sodium Citrate component - 294.11

Description: When the 20X SSC powered and liquid buffers are diluted to a 1X working concentration, the resulting solution will be 0.15 M Sodium Chloride and 0.015 M Sodium Citrate.

Storage Conditions: Store at room temperature.

Quality Control: The powdered and liquid buffers are prepared at a 1X concentration and tested in the following quality control assays before and after final packaging. Each liquid buffer is filtered through a 0.2 μ m filter and autoclaved in the final package.

Non-Specific Endonuclease/Nickase Activity: None detected after a 14-16 hour incubation of 0.1X SSC with 300 ng of supercoiled plasmid DNA, analyzed on an agarose gel.

Exonuclease: None detected after a 14-16 hour incubation of 0.1X SSC with 40 ng of 32 P-labeled *Sau3A* fragments of pUC19, analyzed by PAGE.

RNase Activity: None detected after a 14-16 hour incubation of 0.1X SSC with 25 ng of 32 P-labeled RNA, analyzed by PAGE.

USER INFORMATION

Each bottle of 20X SSC solution is ready to use upon dilution to the desired concentration. Each individual package of 20X SSC contains the necessary powder to make 1 liter of 20X SSC buffer upon addition of water.

To make 1 liter of 20X SSC from Cat# 9762 or 9764, fill a graduated cylinder or beaker with approximately 600 ml of distilled H₂O and place a magnetic stir bar into the container. Place the container on a stir plate and slowly add the contents of one package of 20X SSC powder to the stirring water. Let the solution stir until the powder is completely dissolved. Add distilled water to bring up the volume to one liter.

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Exhibit A